

Appendix E
Addendum to
Gravity Sewerage Code of Australia
WSA 02-2014

Gravity Sewerage Code Section Reference	WRC Requirement
2.4.1 Loading per serviced lot	Refer Section DG 7.8 of this Manual
2.4.2 Estimating future catchment loads	Refer Section DG 7.8 of this Manual
3.2 Design Flow Estimation	Refer Section DG 7.8 of this Manual
3.3 Design Flow Estimation method	Refer Section DG 7.8 of this Manual
5.2.8 Easements	Refer Section DG 7.12 of this Manual
5.3.8 Horizontal curves in sewers	Horizontal curves in sewers are not permitted
5.5.3 Minimum air space	Refer Section DG 7.8 of this Manual
5.5.4 Minimum pipe sizes for maintenance purposes	Refer Section DG 7.13 of this Manual
5.5.7 Minimum grades for self cleansing	Refer Section DG 7.8 of this Manual
5.6.5 Minimum depth of sewer connection point	The sewer shall be deep enough to drain the entire lot except where a private pump station is approved on the lot.
5.6.7 Vertical curves	Vertical curves are not permitted
5.6.8 Compound curves	Compound curves are not permitted
6.2 Limits of connection to sewers	Add: connections into manholes will be permitted at end of lines only, elsewhere connections are required in line only
6.3 Methods of Property Connection	The methods of property connection shall be as per Council's Standard Drawing No S-0030.
6.4.2 Multiple Occupancy Lots	An application shall be made at design stage for determination of servicing method
6.5.2 Vacant Lots	<p>Replace with: Property connections should generally be located at the lowest corner of the allotment between 0.5 and 1.5m upstream of the allotment boundary or manhole.</p> <p>Where a sewer main lies within an adjoining allotment, the property connection is to extend a distance of 1.0m into the allotment. For battle-axe allotments with the property connection located within the access, the property connection shall extend along the access to a point 1.0m within the main part of</p>

	<p>the allotment or, where a sealed driveway is required for the full length of the hatchet 'handle' then 1m past the extents of the driveway to allow a suitable future point of connection. Where a sewer is contained within a stormwater drainage easement, then the property connection should extend a minimum of 1m past the easement boundary and into the lot it is serving. All property connections should be finished a minimum of 1m clear of any infrastructure.</p>
6.6.2 'Type 7 spur' or "Y" property connection sewers	Y property connections are not permitted.
Table 7.1 Maintenance Structures	The Use of horizontal and vertical bends is not permitted.
7.3.2 Maintenance Structure Spacing – Reticulation Sewers	The maximum distance between any two consecutive maintenance structures shall be 90m
7.6.2 Types of Manhole Construction	<p>Approved PE manholes may be used as a standard manhole for a pumping/lift station or as a discharge manhole for a pressure (rising) main. PE manholes are not permitted in the following locations:</p> <ul style="list-style-type: none"> - Within roadway central medians, roundabouts or within kerb & channel; - As the connection structure for future development stages; and / or - In an area zoned Industrial or Commercial.
7.6.3 Design Parameters for Manholes	Internal drops are not permitted for use with precast or any other manholes unless otherwise approved by Council.
7.6.4 Property Connections in Manholes	Property connections must not be connected into maintenance holes except at end of line.
7.6.9 Ladders Step Irons and Landings	Ladders, step irons and landings are not required.